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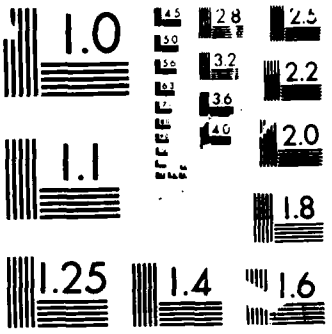

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TREATMENT OF CENTRAL NERVOUS SYSTEM (CNS) ISCHEMIA WITH A PROSTAGLANDIN DERIVATIVE, PGB_x.

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19 ABSTRACT (Continue on reverse if necessary and identify by block number)
The effect of PGB_x on motor function was studied in a rabbit spinal cord ischemia model. Conscious rabbits were exposed to lumbar spinal cord ischemia for 25 min and the motor/neurological scores followed for 48 hrs. PGB_x (provided by Dr. Devlin, Philadelphia, PA) was administered in 6 doses of 2 mg/kg each, starting 1 hr after reperfusion. Motor/neurological function of hindlimbs was scored from 0-5 (0 = complete paralysis; 5 = normal) each hr for 12 hr and at 24 and 48 hr. In the first study, (n = 15), a PGB_x - sodium salt batch was used and enhanced recovery of motor functions was observed; in the second study (n = 15) PGB_x acid form was used without beneficial outcome; in the third study (n = 14) a new PGB_x sodium salt batch was used and no significant effect on recovery of motor functions was observed. Since the exact composition of each PGB_x batch is not known, we cannot exclude the possibility that the variability between the experiments is the result of quantitative and qualitative difference in the oligomer composition of PGB_x. We strongly feel that continuation of this project would be only with specific active oligomers, e.g., PGB_1 - trimer.

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